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WBS 48

Lockheed Martin Corporation
Corporate Environment, Safety & Health
7921 Southpark Plaza, Suite 210 Littleton, CO 80120

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110310

LOCKHEED MARTIN

November 28, 2000

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the September 2000 Production Well Sampling Program report prepared by Earth Tech for Lockheed Martin Corporation. This report presents analytical results from samples collected at Bunker Hill Basin production wells in September of 2000. The report includes laboratory quality assurance/quality control documentation.

Should you have any questions or comments, please contact me at 303.971.1880.

Sincerely,

Stephen Evanoff
Manager, Redlands Project

c: See Attached Distribution List

Distribution List

(Abbreviated Report Without Attachments "A & B" which are available upon request)

Kim Alexander, Psomas Engineering
Chris Bahnsen, San Bernardino Valley Water Conservation District
Kalyanpur Baliga, Department of Health Services (San Bernardino)
Mary Bridgewater, Department of the Air Force, AFBCA
W. William Bryden, City of San Bernardino
Tom Crowley, San Bernardino Valley Water Conservation District
Dodie Farmer, Victoria Farms Mutual Water Company
Douglas Headrick, City of Redlands
Ross Lewis, Gage Canal Company
Steve Mains, Western Municipal Water District
Morris Matson, Loma Linda University
Kevin Mayer, US EPA (Region IX)
Eugene McMeans, Riverside Highland Water Company
Zahra Panahi, City of Riverside
Dan Randall, City of Riverside
Bob Reiter, San Bernardino Valley Municipal Water District
Toby Roy, Department of Health Services (San Diego)
Alain Sharp, Earth Technology Corporation
Greg Snyder, City of Loma Linda
Glen Thomas, Mountain View Power Co.
Dieter Wirtzfeld, City of Riverside

bc: Gallop, Johnson & Neuman
101 S. Hanley Road
St. Louis, MO 63105
Attn: Michael Re

Highland Supply Corporation
1111 sixth Street
Highland, IL 62249
Attn: Donald E. Weder

Seven W. Enterprises, Inc.
1500 Crafton Avenue
P.O. Box 111
Redlands, CA 92373-1730
Attn: Janet M. Weder

bc: Doug Goins, LMC-Legal
Eric Hodder, LMC (Burbank)
Ian Hutchison, TRC (Irvine)
Gene Matsushita, LMC (Riverside)
James H. O'Brien, LMC-Corporate Energy, Environment, Safety & Health
Gail Rymer, LMC-Communications (Bethesda)
Bob Simpson LMC (Riverside)
Matt Werner, Earth Tech (Long Beach)

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100 West Broadway, Suite 5000, Long Beach, California 90802-4443

Telephone
562.951.2000

Facsimile
562.951.2100

November 27, 2000

Lockheed Martin Corporation
West Coast Project Office
2550 N. Hollywood Way, 3rd Floor
Burbank, California 91505

Attention: Mr. Eric Hodder
Project Supervisor

Subject: September 2000 Data Report
Water Supply Contingency Plan
Production Well Sampling Program
Crafton-Redlands Plume Project

Dear Mr. Hodder:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of September 2000. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the September 2000 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.

RESULTS

Summaries of the analytical results for the September 2000 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

Trichloroethene

Four groundwater samples collected in September met or exceeded 2/5th the MCL for TCE (i.e., were greater than or equal to 2.0 µg/L) including: Gage 26-1 (8.0 µg/L), Gage 27-1 (6.2 µg/L), Gage 29-2 (4.6 µg/L) and Gage 29-3 (7.1 µg/L). The TCE impacts at Gage 26-1, Gage 27-1, Gage 29-2 and Gage 29-3 are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system. TCE was detected in Richardson #1 at 1.4 µg/L.

The COLL Richardson Blend sampling point was not sampled in September because only the Richardson #3 well was pumping into the Richardson system. Thus, sampling of this sample point would be redundant.

Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Therefore, these five wells will be sampled once a month for TCE when active.

Perchlorate

In the September WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to13.5 µg/L) in Richardson #1 (19 µg/L), Gage 29-2 (25 µg/L), Gage 29-3 (47 µg/L) Gage 51-1 (25 µg/L) and Gage 92-1 (18 µg/L).

Gage 26-1, Gage 29-2, Gage 29-3, Gage 51-1, Gage 92-1 and COLL Richardson #1 wells are currently being sampled twice a month for perchlorate, if active.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system.

CLOSING

Earth Tech greatly appreciates being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely,
Earth Tech

Eric Peterson, P.E.
Program Director

Matthew Werner, R.G., C.E.G., C.H.
Project Manager

TABLES

TABLE 1

KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.
September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWQCB – Santa Ana Region.
March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).
June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.
June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).
August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.
October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7^{th} & Chicago).
March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).
June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.
December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.
May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.
December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program
February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.
May 2000, Mountain View #2 was decommissioned, and therefore removed from the WSCP Sampling Program.

TABLE 2

WSCP PRODUCTION WELL SAMPLING PROGRAM

Well Number	Well Name	Perchlorate	TCE
City of Loma Linda			
3106	Mountain View #3	X	X
693	Richardson #1	X	X
707	Richardson #3	X	X
City of Loma Linda Water System Sampling Points			
2967	Mountain View Blend - Lawton	X	X
2968	Richardson Blend	X	X
Southern California Edison			
554	SCE #2 (AUX)	X	X
Loma Linda University			
267	LL Univ Anderson #2	X	
717	LL Univ Anderson #3	X	
City of Riverside (Gage System)			
252	Gage #26-1	X	X
258	Gage #27-1	X	X
259	Gage #27-2	X	X
260	Gage #29-1	X	X
219	Gage #29-2	X	X
220	Gage #29-3	X	X
218	Gage #30-1	X	X
214	Gage #31-1	X	X
215	Gage #46-1	X	X
253	Gage #51-1	X	X
216	Gage #56-1	X	X
257	Gage #66-1	X	X
644	Gage #92-1	X	X
641	Gage #92-2	X	X
642	Gage #92-3	X	X
3091	Gage #98-1	X	X
City of Riverside (Waterman System)			
273	Hunt #6	X	
271	Hunt #10	X	
272	Hunt #11	X	
City of Riverside Water System Sampling Points			
2946	Iowa Booster (Waterman)	X	X
2947	Gage Delivery (Gage)	X	X
2948	7th & Chicago (Reservoir)	X	X
3018	Gage Arlington	X	
City of Redlands			
542	COR Church St	X	
2673	COR #38	X	
535	COR Mentone Acres	X	
29	COR Orange St	X	
74	COR Rees	X	X

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

WSCP PRODUCTION WELL SAMPLING PROGRAM
SEPTEMBER 2000 WELLS SAMPLED TWICE MONTHLY

Well Number	Well Name	Perchlorate	TCE
City of Loma Linda			
692	Richardson #1	X	
City of Riverside (Gage System)			
252	Gage #26-1	X	
219	Gage #29-2	X	
220	Gage #29-3	X	
253	Gage #51-1	X	
644	Gage #92-1	X	

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 4

WSCP PRODUCTION WELL SAMPLING PROGRAM
SEPTEMBER 2000 DATA RESULTS

Well Number	Well Name	Sample Date	Perchlorate (ug/L) Del Mar	TCE (ug/L) Del Mar
City of Loma Linda				
3106	Mountain View #3	9/6/00	ND (4.0)	ND (0.5)
693	Richardson #1[c]	9/6/00	19	1.3
693	Richardson #1[c] (Duplicate)	9/6/00	NA	1.4
707	Richardson #3[a]	NS	NS	NS
City of Loma Linda Water System Sampling Points				
2967	Mountain View Blend - Lawton	9/6/00	ND (4.0)	ND (0.5)
2968	Richardson Blend	NS	NS	NS
Mountain View Power (Formerly Southern California Edison)				
554	SCE #2 (AUX)[a]	NS	NS	NS
Loma Linda University				
267	LL Univ Anderson #2	9/5/00	ND (4.0)	NA
717	LL Univ Anderson #3	9/5/00	ND (4.0)	NA
City of Riverside (Gage System)				
252	Gage #26-1[b]	9/1/00	12	8.0
252	Gage #26-1[b]	9/18/00	11	NA
258	Gage #27-1[b]	9/1/00	7.3	6.2
259	Gage #27-2	9/1/00	9.1	ND (0.5)
260	Gage #29-1	9/1/00	8.4	NA[a]
219	Gage #29-2[b]	9/1/00	25	4.6
219	Gage #29-2[b] (Duplicate)	9/1/00	25	4.6
219	Gage #29-2[b]	9/18/00	22	NA
220	Gage #29-3[b]	9/1/00	47	7.1
220	Gage #29-3[b]	9/18/00	44	NA
220	Gage #29-3[b] (Duplicate)	9/18/00	44	NA
218	Gage #30-1[a]	NS	NS	NS
214	Gage #31-1	9/18/00	ND (4.0)	ND (0.5)
215	Gage #46-1	9/1/00	6.9	NA[a]
253	Gage #51-1[b]	9/1/00	25	NA[a]
253	Gage #51-1[b]	9/18/00	24	NA[a]
216	Gage #56-1[a]	NS	NS	NS
257	Gage #66-1	9/18/00	11	NA[a]
644	Gage #92-1[b]	9/1/00	18	1.2
644	Gage #92-1[b]	9/18/00	16	NA
641	Gage #92-2[a]	NS	NS	NS
642	Gage #92-3[a]	NS	NS	NS
3091	Gage #98-1	9/1/00	ND (4.0)	ND (0.5)
City of Riverside (Waterman System)				
273	Hunt #6	9/18/00	5.6	NA
271	Hunt #10	9/1/00	4.5	NA
272	Hunt #11	9/5/00	7.1	NA
272	Hunt #11 (Duplicate)	9/5/00	7.2	NA
City of Riverside Water System Sampling Points				
2946	Iowa Booster (Waterman)	9/1/00	ND (4.0)	ND (0.5)
2947	Gage Delivery (Gage)	9/1/00	9.5	ND (0.5)
2948	7th & Chicago (Reservoir)	9/1/00	5.8	ND (0.5)
3018	Gage Arlington	9/1/00	5.6	NA
City of Redlands				
542	COR Church St[a]	NS	NS	NS
2673	COR #38[a]	NS	NS	NS
535	COR Mentone Acres[a]	NS	NS	NS
29	COR Orange St[a]	NS	NS	NS
74	COR Rees	9/5/00	5.3	NA

Notes:

* = Twice-monthly sampling result

ND(4) = Not detected at the specified limit

NA = Not Analyzed

NS = Not Sampled

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified

TCE analyzed using EPA Method 502.2

a = Well sampled on quarterly basis, if active

b = TCE treatment is installed

c =Water purged to waste and not into system

TABLE 5

SUMMARY OF WATER LEVEL MEASUREMENTS
SEPTEMBER 2000 SAMPLING EVENT

Well Number	Well Name	Measure Date	Depth to Water	Measuring Point Elevation	Groundwater Elevation	Comments
City of Loma Linda						
3106	Mountain View #3	9/5/00	125	1086	961	Pumping
693	Richardson #1	9/5/00	190	1077	887	Static
707	Richardson #3	9/5/00	229	1078.69	849.69	Pumping
Mountian View Power (Formerly Southern California Edison)						
554	SCE #2 (AUX)	NM	NM	1100	NM	Pumping
Loma Linda University						
267	LL Univ Anderson #2	NM	NM	1075	NM	Pumping
717	LL Univ Anderson #3	NM	NM	1070	NM	Pumping
City of Riverside (Gage System)						
252	Gage #26-1	9/19/00	103.90	1045.33	941.43	Pumping
258	Gage #27-1	9/19/00	97.10	1044.64	947.54	Pumping
259	Gage #27-2	9/19/00	96.70	1044.64	947.94	Pumping
260	Gage #29-1	9/19/00	101.40	1044.43	943.03	Pumping
219	Gage #29-2	9/19/00	91.20	1046.31	955.11	Pumping
220	Gage #29-3	9/19/00	88.00	1048.75	960.75	Pumping
218	Gage #30-1	9/19/00	194.30	1054.17	859.87	Pumping
214	Gage #31-1	9/19/00	141.90	1054.64	912.74	Pumping
215	Gage #46-1	9/19/00	114.20	1065.5	951.3	Pumping
253	Gage #51-1	9/19/00	161.50	1044.64	883.14	Pumping
216	Gage #56-1	9/19/00	209.60	1065.5	855.9	Pumping
257	Gage #66-1	9/19/00	152.00	1044.85	892.85	Pumping
644	Gage #92-1	9/19/00	192.50	1047.78	855.28	Pumping
641	Gage #92-2	9/19/00	214.90	1053.38	838.48	Pumping
642	Gage #92-3	9/19/00	213.40	1058.78	845.38	Pumping
3091	Gage #98-1	9/19/00	209.00	1058.78	849.78	Pumping
City of Riverside (Waterman System)						
273	Hunt #6	9/18/00	NM	1015.5	NM	Pumping
271	Hunt #10	9/1/00	NM	1017	NM	Pumping
272	Hunt #11	9/5/00	NM	1015.7	NM	Pumping
City of Redlands						
542	COR Church St	9/6/00	158.0	1344.8	1186.8	Pumping
2673	COR #38	9/6/00	145.0	1193	1048	Pumping
535	COR Mentone Acres	9/6/00	241.0	1506.4	1265.4	Pumping
29	Cor Orange St	9/6/00	130.0	1282	1152	Pumping
74	COR Rees	9/6/00	264.0	1490	1226	Pumping

Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

NA = Data not available

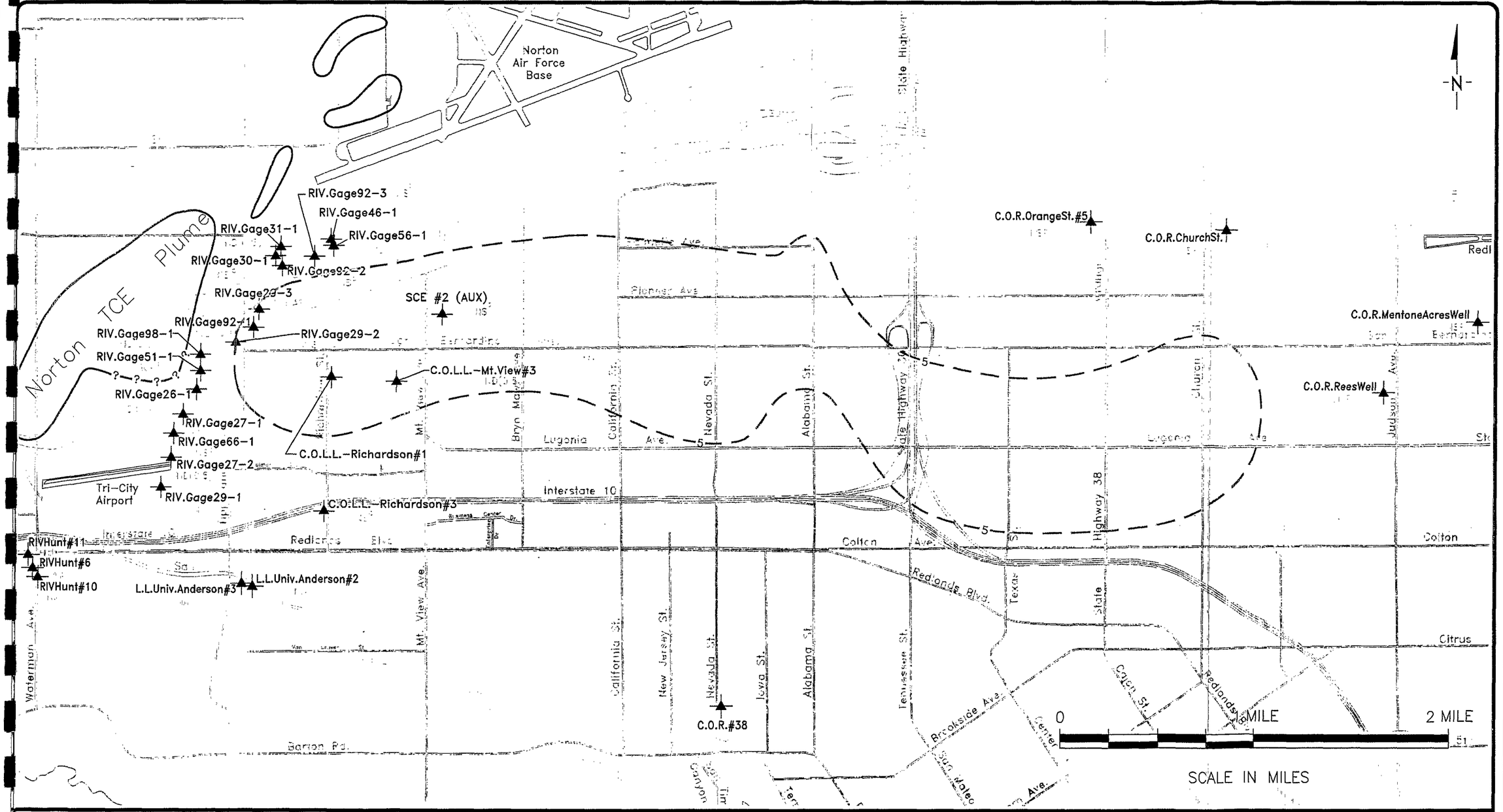
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

TABLE 6

WSCP PRODUCTION WELL SAMPLING PROGRAM
SEPTEMBER 2000 SAMPLE IDENTIFICATIONS

Well Number	Well Name	Sample Date	Sample Time	Sample Number Identification	Analyzed for Perchlorate	Analyzed for TCE
City of Loma Linda						
3106	Mountain View #3	9/6/00	12:30	GW-9-25	Yes	Yes
693	Richardson #1	9/6/00	10:05	GW-9-22	Yes	Yes
693	Richardson #1 (Duplicate)	9/6/00	10:08	GW-9-23	Yes	No
707	Richardson #3	NS	NS	NS	NS	NS
City of Loma Linda Water System Sampling Points						
2967	Mountain View Blend - Lawton	9/6/00	11:55	GW-9-24	Yes	Yes
2968	Richardson Blend	NS	NS	NS	NS	NS
Mountain View Power (Formerly Southern California Edison)						
554	SCE #2 (AUX)	NS	NS	NS	NS	NS
Loma Linda University						
267	LL Univ Anderson #2	9/5/00	14:45	GW-9-18	Yes	NA
717	LL Univ Anderson #3	9/5/00	14:35	GW-9-17	Yes	NA
City of Riverside (Gage System)						
252	Gage #26-1	9/1/00	11:15	GW-9-5	Yes	Yes
252	Gage #26-1	9/18/00	16:10	GW-9-32	Yes	No
258	Gage #27-1	9/1/00	12:00	GW-9-7	Yes	Yes
259	Gage #27-2	9/1/00	12:30	GW-9-8	Yes	Yes
260	Gage #29-1	9/1/00	14:05	GW-9-9	Yes	No
219	Gage #29-2	9/1/00	10:15	GW-9-2	Yes	Yes
219	Gage #29-2 (Duplicate)	9/1/00	10:20	GW-9-3	Yes	Yes
219	Gage #29-2	9/18/00	16:25	GW-9-33	Yes	No
220	Gage #29-3	9/1/00	14:55	GW-9-11	Yes	Yes
220	Gage #29-3	9/18/00	11:20	GW-9-28	Yes	No
220	Gage #29-3 (Duplicate)	9/18/00	11:23	GW-9-29	Yes	No
218	Gage #30-1	NS	NS	NS	NS	NS
214	Gage #31-1	9/18/00	10:45	GW-9-26	Yes	Yes
215	Gage #46-1	9/1/00	9:40	GW-9-1	Yes	No
253	Gage #51-1	9/1/00	11:35	GW-9-6	Yes	No
253	Gage #51-1	9/18/00	15:55	GW-9-31	Yes	No
216	Gage #56-1	NS	NS	NS	NS	NS
257	Gage #66-1	9/18/00	11:45	GW-9-30	Yes	No
644	Gage #92-1	9/1/00	14:30	GW-9-10	Yes	Yes
644	Gage #92-1	9/18/00	11:00	GW-9-27	Yes	No
641	Gage #92-2	NS	NS	NS	NS	NS
642	Gage #92-3	NS	NS	NS	NS	NS
3091	Gage #98-1	9/1/00	10:50	GW-9-4	Yes	Yes
City of Riverside (Waterman System)						
273	Hunt #6	9/18/00	16:42	GW-9-34	Yes	NA
271	Hunt #10	9/1/00	15:35	GW-9-12	Yes	NA
272	Hunt #11	9/5/00	15:18	GW-9-19	Yes	NA
272	Hunt #11 (Duplicate)	9/5/00	15:20	GW-9-20	Yes	NA
City of Riverside Water System Sampling Points						
2946	Iowa Booster (Waterman)	9/1/00	16:10	GW-9-13	Yes	Yes
2947	Gage Delivery (Gage)	9/1/00	16:35	GW-9-14	Yes	Yes
2948	7th & Chicago (Reservoir)	9/1/00	17:05	GW-9-15	Yes	Yes
3018	Gage Arlington	9/1/00	17:30	GW-9-16	Yes	NA
City of Redlands						
542	COR Church St	NS	NS	NS	NS	NS
2673	COR #38	NS	NS	NS	NS	NA
535	COR Mentone Acres	NS	NS	NS	NS	NA
29	COR Orange St	NS	NS	NS	NS	NA
74	COR Rees	9/5/00	16:05	GW-9-21	Yes	No

FIGURES



EXPLANATION

- Wells Currently Sampled Under the Existing WSCP Sampling Program
- TCE Results (µg\L)
- : Quarterly Sampling Results
- : Well Currently Being Treated for TCE
- : Water Purged to Waste and not Into System
- --5-- Approximate TCE Plume Location 5 µg\L (2000 Interpretation of Redlands Plume)
- —5— Approximate TCE Plume Location 5 µg/L (Earth Tech June 1999 Interpretation of Norton AFB Plume)
- Not Detected at Indicated Detection Limit
- Not Sampled
- Not Analyzed
- Twice-Monthly Sampling Results

Blending Point Sampling Data

- C.O.L.L. Mountain View Blend at Lawton
- C.O.L.L. Richardson Blend
- Riv. Iowa Booster (Waterman)
- Riv. Gage Delivery (Gage)
- Riv. 7th + Chicago (Reservoir)
- Gage Arlington

L:\REMEDIATION\LMC\WSCP\CAD\MONTHLY REPORT\SEPTEMBERTCEREPORT.dwg

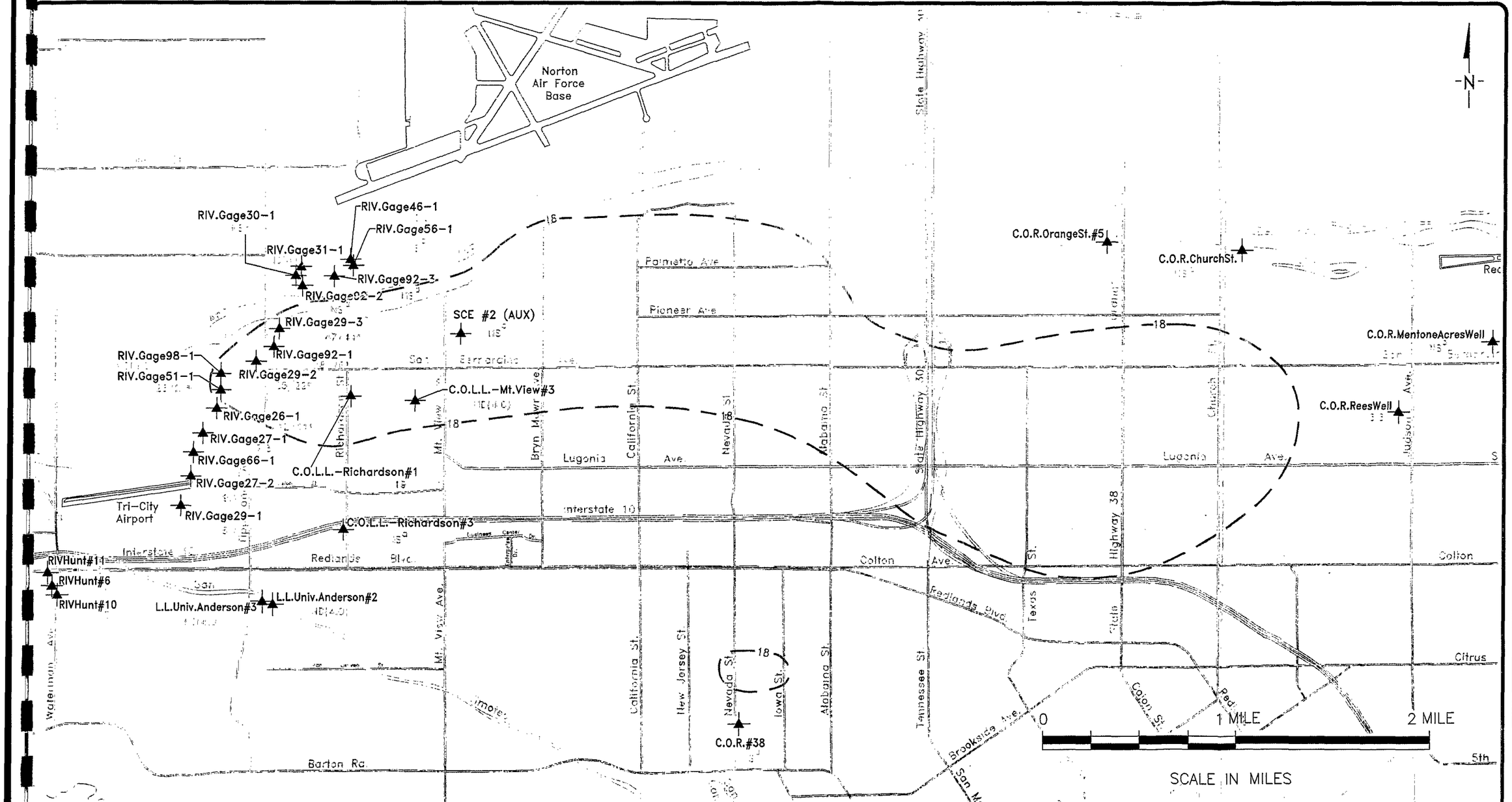
TITLE: WSCP Production Well Sampling Program
TCE Data Results September 2000

LOCATION: LOCKHEED MARTIN
REDLANDS, CALIFORNIA

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

CHECKED:	Liles Cobb
DRAFTED:	Lee Mehr
PROJ.:	38872
DATE:	10/18/00

FIGURE: 1



EXPLANATION

- Wells Currently Sampled Under the Existing WSCP Sampling Program
- Approximate 18 µg/L Perchlorate Plume Location (1998 Interpretation)
- Twice-Monthly Sampling Results
- Perchlorate (µg/L) Results
- Not Detected at Indicated Detection Limit
- NS Not Sampled
- a Quarterly Sampling Results
- b Water Purged to Waste and not Into System

Blending Point Sampling Data

- C.O.L.L. Mountain View Blend – Lawton
- C.O.L.L. Richardson Blend
- Riv. Iowa Booster (Waterman)
- Riv. Gage Delivery (Gage)
- Riv. 7th + Chicago (Reservoir)
- Gage Arlington

L:\REMEDIATION\LMC\WSCP\CAD\MONTHLY REPORT\SEPTEMBERPERCH.REPORT.dwg

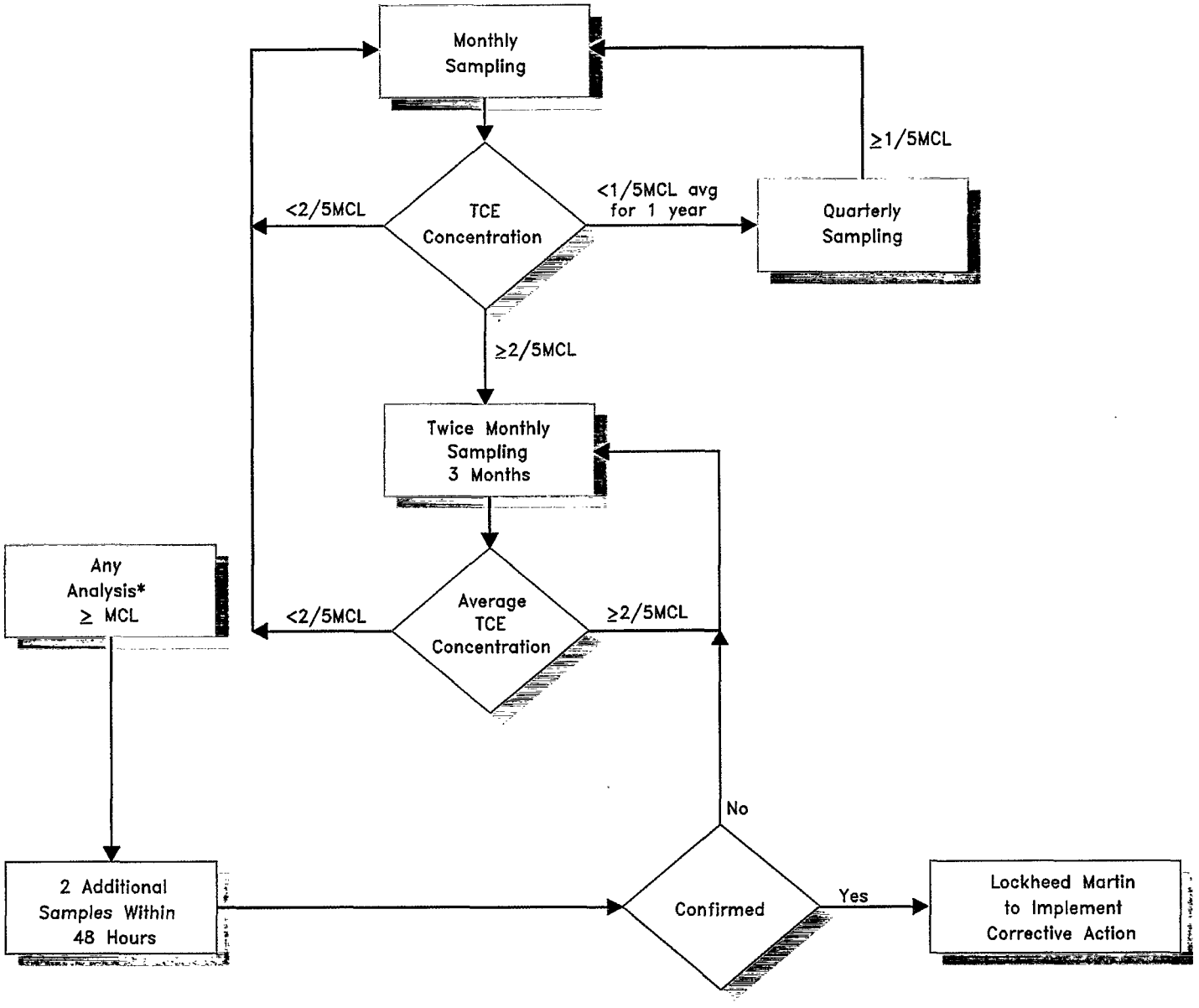
TITLE: WSCP Production Well Sampling Program
Perchlorate Data Results September 2000

LOCATION: LOCKHEED MARTIN
REDLANDS, CALIFORNIA

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

CHECKED:	Liles Cobb
DRAFTED:	Lee Mehr
PROJ.:	38872
DATE:	10/18/00

FIGURE: 2



Footnote:

* If, at a specific well, blending is occurring to provide acceptable water for compounds other than TCE, then no corrective action may be necessary as long as the concentration of TCE is less than 5.0 µg/L in the finished water.

TCE MCL = 5 µg/L (California Regulations, Title 22, Division 4, Chapter 15, Section 64444)

L:\REMEDIATION\LMC\WSCP\CAD\TCEMATRIXFIG-3.dwg

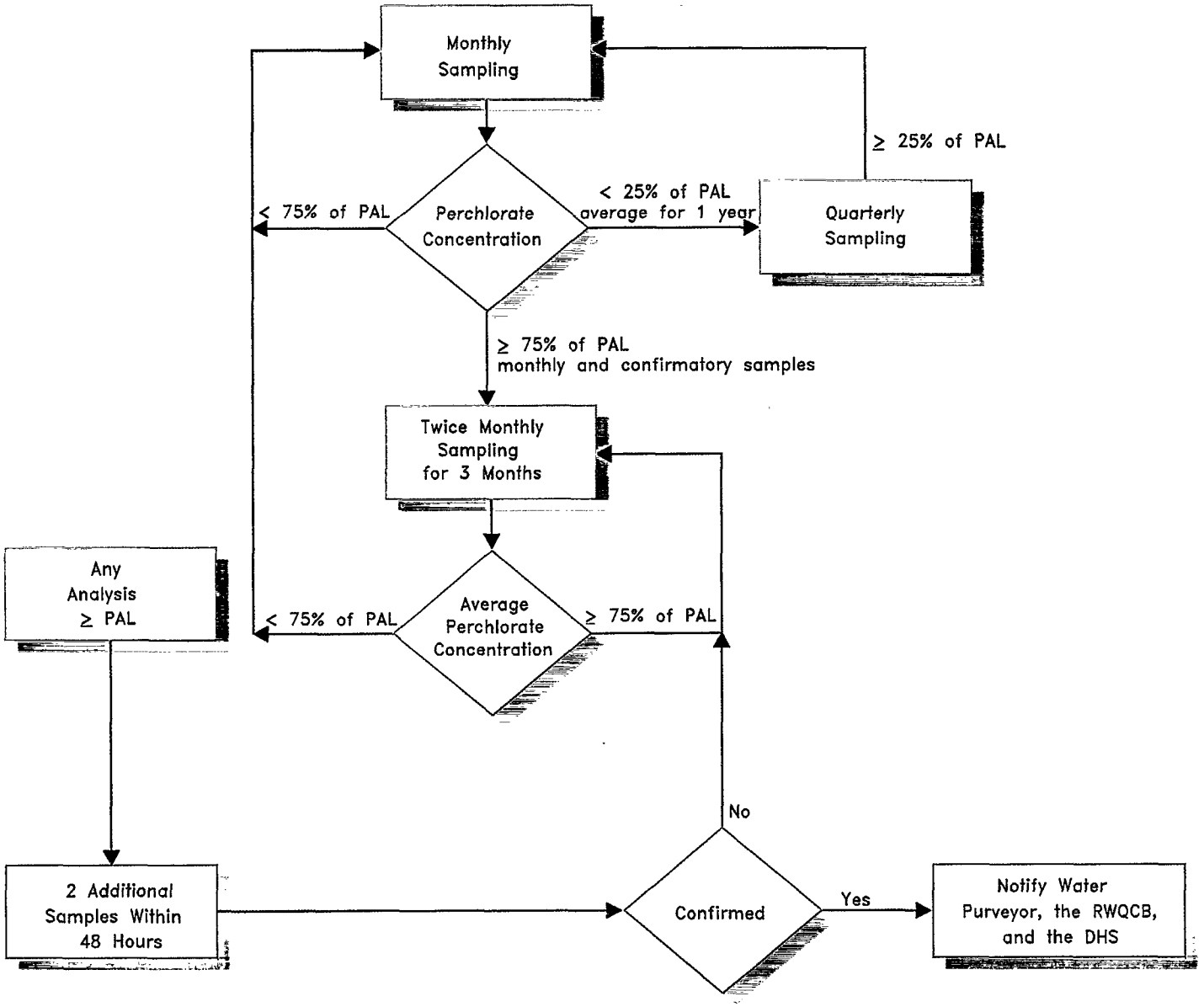
TITLE: Decision Matrix for Sampling of Production Wells for TCE from the Crafton-Redlands Plume

LOCATION: LOCKHEED MARTIN REDLANDS, CALIFORNIA

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

CHECKED:	Liles Cobb
DRAFTED:	Lee Mehr
PROJ.:	38872
DATE:	04/28/00

FIGURE: 3



Footnote:
Perchlorate Provisional Action Level (PAL) = 18 μg/L (California Department of Health Services, May 1997)

TITLE:	Decision Matrix for Sampling Production Wells for Perchlorate
LOCATION:	LOCKHEED MARTIN REDLANDS, CALIFORNIA

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

CHECKED:	Liles Cobb
DRAFTED:	Lee Mehr
PROJ.:	38872
DATE:	04/28/00

FIGURE: 4

L:\REMEDIATION\LMC\WSCP\CAD\PERCH.MATRIXFIG-4.dwg

ATTACHMENT A

FIELD SAMPLE FORMS
(Available Upon Request)

ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND LABORATORY DATA SHEETS AND LEVEL III MODIFIED QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION

(Available Upon Request)